

Assignment 01 A DS

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```
#include<stdio.h>
int main()
{
    float rainfall[3][4];
    float average = 0;
    float total = 0;

    printf("\nEnter rainfall data for 3 cities\n");
    for(int c=0;c<3;c++)
    {
        printf("For city %d:\n",c+1);

        for(int m=0;m<4;m++)
        {
            printf("For month %d:\n",m+1);
            scanf("%f",&rainfall[c][m]);
        }
    }
    printf("Rainfall Tracker:\n");
    printf("SNO.\t\tCity Name\t M1\t\t\t M2\t\t\t M3\t\t\t M4 %-20s Average"," ");
    for(int i=0;i<3;i++)
    {
        total = 0;
        printf("\n%d\t\tCity %d\t\t",i+1,i+1);
        for(int j=0;j<4;j++)
        {
            printf("%f \t\t",rainfall[i][j]);
            total += rainfall[i][j];
        }
        average = total/4;
        printf(" %f",average);
    }
    return 0;
```

}

input

Enter rainfall data for 3 cities

For city 1:

For month 1:

56

For month 2:

34

For month 3:

56

For month 4:

34

For city 2:

For month 1:

56

For month 2:

34

For month 3:

23

For month 4:

56

For city 3:

For month 1:

45

For month 2:

46

For month 3:

56

For month 4:

45

Rainfall Tracker:

SNO.	City Name	M1	M2	M3	M4	Average
1	City 1	56.000000	34.000000	56.000000	34.000000	45.000000
2	City 2	56.000000	34.000000	23.000000	56.000000	42.250000
3	City 3	45.000000	46.000000	56.000000	45.000000	48.000000

...Program finished with exit code 0

Press ENTER to exit console.